Supplementary Material

Table S1. Ct mean values obtained for the study genes using 100 ng of cDNA from HMEC-1 cell line.

Gene	Ct mean ± SD*
VEGF-A	28.90 ± 0.043
TGF-B1	24.76 ± 0.217
HMOX-1	29.26 ± 0.130
SOD-1	24.78 ± 0.104
IL-6	29.88 ± 0.130
IL-15	36.46 ± 0.003
Adipo-Q	37.00 ± 0.010

*SD = Standard deviation

General information and culture conditions of HEMC-1 cell line

HMEC-1 is an immortalized human microvascular endothelial cell line that retains the morphologic, phenotypic, and functional characteristics of normal human microvascular endothelial cells [24]. This cell line was provided by the Biotechnology laboratory cell repository of the Biochemistry and Molecular Medicine Department of Universidad Autonoma de Nuevo Leon, Mexico. HMEC-1 cells were grown in DMEM supplemented with 10 % fetal bovine serum, 2 mM l-glutamine and penicillin/streptomycin (1 000 U/mL and 1000 μg/L respectively) and maintained at 37 ºC in a humidified atmosphere of 5 % CO_2. Monolayers were grown to confluence in 75 cm^2 culture flasks and were harvested in 0.25% trypsin/EDTA. After centrifugation, the cell pellets were rinsed with PBS 1X and consequently the RNA extraction was made using the Qiagen RNeasy® Mini Kit (Qiagen, West Sussex, UK). See material and methods section for RNA extraction and reverse transcription details.